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1	3	(GRAJEWSKI-JOSEPH-J GRAJEWSKI-JOSEPH-S).in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/06/04 13:25
8	8	(JAEGER-DOUGLAS-A JAEGER-DOUGLAS-J).in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/06/04 13:26
15	11	((GRAJEWSKI-JOSEPH-J GRAJEWSKI-JOSEPH-S).in.) or (JAEGER-DOUGLAS-A JAEGER-DOUGLAS-J).in.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/06/04 13:27
22	26	(portable or portible) same (biometric or fingerprint or finger adj print) same pin	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/06/04 13:36
29	25	("3716301" "3771129" "4532508" "4837843" "4876725" "4993068" "5040140" "5050220" "5095194" "5138468" "5148157" "5150229" "5159474" "5245329" "5268963" "5280527" "5327286" "5343415" "5345508" "5347375" "5386378" "5418380" "5428683" "5469506" "5541994").PN.	USPAT	2002/06/04 13:32
30	1034	(382/115-127).CCLS.	USPAT	2002/06/04 13:36
31	8	((382/115-127).CCLS.) and (pin or personal adj identif\$6 adj number).ab.	USPAT; US-PGPUB	2002/06/04 15:22
34	50	((382/115-127).CCLS.) and (pin or personal adj identif\$6 adj number) and portable	USPAT; US-PGPUB	2002/06/04 13:40
37	48	((382/115-127).CCLS.) and (pin or personal adj identif\$6 adj number) and portable) not ((382/115-127).CCLS.) and (pin or personal adj identif\$6 adj number).ab.)	USPAT; US-PGPUB	2002/06/04 13:39
40	5	((382/115-127).CCLS.) and ((pin or personal adj identif\$6 adj number) with display\$4) and portable	USPAT; US-PGPUB	2002/06/04 13:42
43	28	((382/115-127).CCLS.) and portable.ab.	USPAT; US-PGPUB	2002/06/04 13:42
46	66	((pin or personal adj identif\$6 adj number) with display\$4) and portable and (biometric or fingerprint or finger adj print or thumbprint or thumb adj print)	USPAT; US-PGPUB	2002/06/04 14:53
49	8	("4432567" "4449189" "5037301" "5109427" "5150409" "5317637" "5323146" "5395319").PN.	USPAT	2002/06/04 14:30
53	0	((pin or personal adj identif\$6 adj number) near stor\$5) same portable same (biometric or fingerprint or finger adj print or thumbprint or thumb adj print)	USPAT; US-PGPUB	2002/06/04 14:41
50	41	((pin or personal adj identif\$6 adj number) near stor\$5) and portable and (biometric or fingerprint or finger adj print or thumbprint or thumb adj print)	USPAT; US-PGPUB	2002/06/04 14:46
56	18	((pin or personal adj identif\$6 adj number) with stor\$5 with memory) same (biometric or fingerprint or finger adj print or thumbprint or thumb adj print)	USPAT; US-PGPUB	2002/06/04 16:13
63	0	((pin or personal adj identif\$6 adj number) with display\$4) and portable and (biometric or fingerprint or finger adj print or thumbprint or thumb adj print)	EPO; JPO; DERWENT	2002/06/04 14:53

59	3	((pin or personal adj identif\$6 adj number) with stor\$5 with memory) same (biometric or fingerprint or finger adj print or thumbprint or thumb adj print)	EPO; JPO; DERWENT	2002/06/04 15:02
67	26	selfauthentic\$9 or self adj authenticat\$9	EPO; JPO; DERWENT	2002/06/04 15:03
71	140	selfauthentic\$9 or self adj authenticat\$9	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/04 15:03
77	33	(selfauthentic\$9 or self adj authenticat\$9) and (pin or personal adj identif\$6 adj number) and (biometric or fingerprint or finger adj print or thumbprint or thumb adj print)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/04 15:05
83	190	((382/115-127).CCLS.) and (pin or personal adj identif\$6 adj number)	USPAT; US-PGPUB	2002/06/04 16:11
86	0	((382/115-127).CCLS.) and generat\$4 with random\$3 with (pin or personal adj identif\$6 adj number)	USPAT; US-PGPUB	2002/06/04 16:12
89	6	(generat\$4 with random\$3 with (pin or personal adj identif\$6 adj number)) same (biometric or fingerprint or finger adj print or thumbprint or thumb adj print)	USPAT; US-PGPUB	2002/06/04 16:40
92	7	(generat\$4 with random\$3 with (pin or personal adj identif\$6 adj number)) same (biometric or fingerprint or finger adj print or thumbprint or thumb adj print)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/06/04 16:43
99	20	(output\$3 or transmit\$3 or display\$3) near (pin or personal adj identif\$6 adj number) same (biometric or fingerprint or finger adj print or thumbprint or thumb adj print)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/06/04 16:44

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L Number	Hits	Search Text	DB	Time stamp
7	274	(fingerprint\$3 or finger adj print\$3 or biometric\$5) and portable and (pin or personal adj2 number) and display\$3 and generat\$3 and random\$2	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/04 17:58
25	159	werner-brian\$.xa.	USPAT; US-PGPUB	2002/06/04 17:45
28	12	("4582985" "4993068" "5164992" "5224173" "5450504" "5550928" "5553155" "5701770" "5844547" "5852670" "5880783" "5898600").PN.	USPAT	2002/06/04 17:47
29	0	6038333.URPN.	USPAT	2002/06/04 17:48
13	2	(fingerprint\$3 or finger adj print\$3 or biometric\$5) same portable same (pin or personal adj2 number) near (transmit\$4 or display\$3 or output\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/04 17:51
30	21	("4277837" "4302810" "4454414" "4536647" "4614861" "4630201" "4634845" "4689478" "4734858" "4906828" "4977502" "5017766" "5025373" "5050207" "5130519" "5157717" "5180902" "5221838" "5265162" "5266782" "5347580").PN.	USPAT	2002/06/04 17:49
31	6	(fingerprint\$3 or finger adj print\$3 or biometric\$5) and generat\$3 with (multiple or plural\$3) with (pin or personal adj2 number)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/04 17:54
19	13	(fingerprint\$3 or finger adj print\$3 or biometric\$5) with portable same (pin or personal adj2 number)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/04 17:54
1	31	(fingerprint\$3 or finger adj print\$3 or biometric\$5) same portable same (pin or personal adj2 number)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/04 17:56
43	8	(fingerprint\$3 or finger adj print\$3 or biometric\$5) same generat\$3 with random\$2 with (pin or personal adj2 number)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/04 18:00
37	13	(fingerprint\$3 or finger adj print\$3 or biometric\$5) and portable and (pin or personal adj2 number) near (recall or display\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/04 18:00

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| 1 | Some cryptographic principles of authentication in electronic funds transfer systems
C. H. Meyer , S. M. Matyas
Proceedings of the seventh data communications symposium October 1981
One essential requirement of an Electronic Funds Transfer (EFT) system is that institutions must be able to join together in a common EFT network such that a member of one institution can initiate transactions at entry points in the domain of another institution. The use of such a network is defined as interchange. Cryptographic implementations are developed for such a network in such a way as to keep personal verification and message authentication processes at diffe ... | 100% |
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G. Sakauye , A. Lubiw , J. Royle , R. Epplett , J. Twidale , E. Shew , E. Attfield , F. Brglez , P. Wilcox
Proceedings of the eighteenth design automation conference on Design automation June 1981
A set of programs used in the design of custom hand packed and standard cell MOS circuits is described. The programs cover logic simulation, filter analysis, circuit simulation, timing simulation, circuit extraction from layout, design tolerance checking, connectivity checking and user interface facilities. A cell documentation system is used to tie together the various design support packages. | 100% |
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| 3 | A low-bandwidth network file system
Athicha Muthitacharoen , Benjie Chen , David Mazières
ACM SIGOPS Operating Systems Review , Proceedings of the 18th symposium on Proceedings of the 18th ACM symposium on operating systems principles October 2001
Volume 35 Issue 5 | 100% |

Users rarely consider running network file systems over slow or wide-area networks, as the performance would be unacceptable and the bandwidth consumption too high. Nonetheless, efficient remote file access would often be desirable over such networks---particularly when high latency makes remote login sessions unresponsive. Rather than run interactive programs such as editors remotely, users could run the programs locally and manipulate remote files through the file system. To do so, however, wo ...


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 John W. Hamblen
Communications of the ACM August 1959
Volume 2 Issue 8


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- 5** An experimental laboratory for pattern recognition and signal processing

 N. M. Herbst , P. M. Will
Communications of the ACM April 1972
Volume 15 Issue 4
An interactive computer-controlled scanning and display system has been in operation at the IBM Thomas J. Watson Research Center for three years. The system includes two flying-spot scanners and a TV camera specially interfaced to a process control digital computer, dot-mode and vector displays, analog input and output facilities, and a variety of other experimental equipment. The system design and programming support are described and typical applications in scanner control, optical charac ...


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 Nalini K. Ratha , Jonathan H. Connell , Ruud M. Bolle
Proceedings of the 2000 ACM workshops on Multimedia November 2000


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 Mike Gardner , Jack Bieker
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Proceedings of the tenth conference on Computers, freedom and privacy : challenging the assumptions: challenging the assumptions April 2000

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- 9** Muscle Flexes Smart Cards into Linux

 David Corcoran
Linux Journal August 1998
The newest kind of card for your pocketbook offers better security for the information it holds

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- 10** Mostly-copying reachability-based orthogonal persistence

 Antony L. Hosking , Jiawan Chen
ACM SIGPLAN Notices , Proceedings of the 1999 ACM SIGPLAN conference on Object-oriented programming, systems, languages, and applications October 1999
Volume 34 Issue 10
We describe how reachability-based orthogonal persistence can be supported even in uncooperative implementations of languages such as C++ and Modula-3, and

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without modification to the compiler. Our scheme extends Bartlett's mostly-copying garbage collector to manage both transient objects and resident persistent objects, and to compute the reachability closure necessary for stabilization of the persistent heap. It has been implemented in our prototype of reachability-based persistence for M ...

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 ACM Transactions on Information Systems (TOIS) October 1983
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 Michael F. Schwartz , Calton Pu
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 Saul Greenberg , Chester Fitchett
Proceedings of the 14th annual ACM symposium on User interface software and technology November 2001
Physical widgets or *phidgets* are to physical user interfaces what widgets are to graphical user interfaces. Similar to widgets, phidgets abstract and package input and output devices: they hide implementation and construction details, they expose functionality through a well-defined API, and they have an (optional) on-screen interactive interface for displaying and controlling device state. Unlike widgets, phidgets also require: a connection manager to track how devices appear on-line; a ...

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ACM Computing Surveys (CSUR) January 1974
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The newest kind of card for your pocketbook offers better security for the information it holds | |
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 L P Clare
Proceedings of the ACM SIGCOMM conference on Communications architecture & protocols September 1986
A class of slotted ALOHA dynamic control strategies is considered. These strategies are simple to implement and can yield lossless and stable operation for arbitrarily large user populations with aggregate arrival rates below e^{-1} packets/slot. An ergodicity analysis is given that provides conditions on the system parameters, such that any specified set of control parameters that satisfies the given conditions is guaranteed to yield stable performance. T ...
- 9** On randomization in sequential and distributed algorithms 100%
 Rajiv Gupta , Scott A. Smolka , Shaji Bhaskar
ACM Computing Surveys (CSUR) March 1994
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Probabilistic, or randomized, algorithms are fast becoming as commonplace as conventional deterministic algorithms. This survey presents five techniques that have been widely used in the design of randomized algorithms. These techniques are illustrated using 12 randomized algorithms—both sequential and distributed—that span a wide range of applications, including: primality testing (a classical problem in number theory), interactive probabilistic proof s ...
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Mobile Networks and Applications January 2001
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Pattichis, M.S.; Panayi, G.; Bovik, A.C.; Shun-Pin Hsu

Image Processing, IEEE Transactions on , Volume: 10 Issue: 6 , June 2001

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2 Smart card information and operations using biometrics

Sanchez-Reillo, R.

IEEE Aerospace and Electronics Systems Magazine , Volume: 16 Issue: 4 , April 2001

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3 Multi-dimensional cluster analysis of class characteristics for ballistics specimen identification

Smith, C.L.

Security Technology, 2001 IEEE 35th International Carnahan Conference on , 2001

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4 Parasitic authentication to protect your e-wallet

Ebringer, T.; Thorne, P.; Zheng, Y.

Computer , Volume: 33 Issue: 10 , Oct. 2000

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5 Securing information and operations in a smart card through biometrics

Sanchez-Reillo, R.

Security Technology, 2000. Proceedings. IEEE 34th Annual 2000 International Carnahan Conference on , 2000

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6 CipherVOX: scalable low-complexity speaker verification

Fette, B.A.; Broun, C.C.; Campbell, W.M.; Jaskie, C.

Acoustics, Speech, and Signal Processing, 2000. ICASSP '00. Proceedings. 2000 IEEE International Conference on , Volume: 6 , 2000

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7 Biometrics electronic purse

Wahab, A.; Tan, E.C.; Heng, S.M.

TENCON 99. Proceedings of the IEEE Region 10 Conference , Volume: 2 , 1999

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8 A fraud detection method using IS-41C protocols and its application to the third generation wireless systems

Park, D.G.; Oh, M.N.; Looi, M.

Global Telecommunications Conference, 1998. GLOBECOM 1998. The Bridge to Global Integration. IEEE , Volume: 4 , 1998

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9 Ballistics imaging-latest developments

Robinson, M.; Petty, R.; Evans, J.P.O.

Security Technology, 1998. Proceedings., 32nd Annual 1998 International Carnahan Conference on , 1998

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[\[Abstract\]](#) [\[PDF Full-Text \(472 KB\)\]](#) **CNF**

10 A generalized biometric identification system model*Wayman, J.L.*

Signals, Systems & Computers, 1997. Conference Record of the Thirty-First Asilomar Conference on , Volume: 1 , 1997

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11 Iris recognition technology*Williams, G.O.*

Security Technology, 1996. 30th Annual 1996 International Carnahan Conference , 1995

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12 Securing data and financial transactions*Stockel, A.*

Security Technology, 1995. Proceedings. Institute of Electrical and Electronics Engineers 29th Annual 1995 International Carnahan Conference on , 1995

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13 Using forensic handwriting analysis techniques to enhance automatic handwritten script recognition and processing*Leedham, C.G.; Sagar, V.K.*

Handwriting Analysis and Recognition: A European Perspective, IEE European Workshop on , 1994

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biometric fingerprint

AND

pin

AND

display displaying

AND

Date of publication of application — e.g. 19980401 - 19980405

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<input type="checkbox"/>	WO0161630	METHOD AND SYSTEM FOR ELECTRONICALLY RECORDING TRANSACTIONS AND PERFORMING SECURITY FUNCTION
<input type="checkbox"/>	GB2356476	Method for controlling fingerprint recognition type door lock operation
<input type="checkbox"/>	US6219794	Method for secure key management using a biometric
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<input type="checkbox"/>	WO0104830	METHOD FOR CONTROLLING FINGERPRINT RECOGNITION TYPE DOOR LOCK OPERATION
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<input type="checkbox"/>	US6006328	Computer software authentication, protection, and security system
<input type="checkbox"/>	DE19818889	Ergonomically shaped computer especially for storing secret numbers, e.g. EC card and PIN numbers for mobile telephones and key code number
<input type="checkbox"/>	WO9951445	METHOD FOR DETERRING FORGERIES AND AUTHENTICATING SIGNATURES
<input type="checkbox"/>	WO9850876	MODULAR SIGNATURE AND DATA-CAPTURE SYSTEM
<input type="checkbox"/>	WO9848538	METHOD FOR SECURE KEY MANAGEMENT USING A BIOMETRIC
<input type="checkbox"/>	US5790668	Method and apparatus for securely handling data in a database of biometrics and associated data
<input type="checkbox"/>	US5737886	Method for determining forgeries and authenticating signatures
<input type="checkbox"/>	US5712912	Method and apparatus for securely handling a personal identification number or cryptographic key using biometric techniques
<input type="checkbox"/>	US5680460	Biometric controlled key generation
<input type="checkbox"/>	FR2746201	No English title available.
<input type="checkbox"/>	WO9722934	METHOD AND APPARATUS FOR SECURELY HANDLING DATA IN A DATABASE OF BIOMETRICS AND ASSOCIATED DATA

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<input type="checkbox"/>	<u>US6353889</u>	Portable device and method for accessing data key actuated devices
<input type="checkbox"/>	<u>CA2304634</u>	STAND-ALONE BIOMETRIC IDENTIFICATION SYSTEM
<input type="checkbox"/>	<u>CA2304560</u>	MOBILE BIOMETRIC IDENTIFICATION SYSTEM
<input type="checkbox"/>	<u>WO0214635</u>	A SECURITY CONTAINER FOR MEDICINES AND SYSTEM FOR FILLING PRESCRIPTIONS
<input type="checkbox"/>	<u>US2001055411</u>	Identity authentication device
<input type="checkbox"/>	<u>WO0208683</u>	AUTHORIZATION MODULE AND METHOD FOR ACTIVATING FIREARMS
<input type="checkbox"/>	<u>US2002005837</u>	Portable device with text entry
<input type="checkbox"/>	<u>US6334575</u>	Safety transaction method
<input type="checkbox"/>	<u>EP1170704</u>	Portable access authorization device, GPS receiver and antenna
<input type="checkbox"/>	<u>JP2001309050</u>	FINGERPRINT COLLATING RADIO PORTABLE TELEPHONE SYSTEM
<input type="checkbox"/>	<u>US6327376</u>	Electronic apparatus comprising fingerprint sensing devices
<input type="checkbox"/>	<u>WO0190729</u>	METHOD AND APPARATUS FOR PORTABLE PRODUCT AUTHENTICATION
<input type="checkbox"/>	<u>WO0189382</u>	LED INTENSE HEADBAND LIGHT SOURCE FOR FINGERPRINT ANALYSIS
<input type="checkbox"/>	<u>US6320974</u>	Stand-alone biometric identification system
<input type="checkbox"/>	<u>US6317544</u>	Distributed mobile biometric identification system with a centralized server and mobile workstations
<input type="checkbox"/>	<u>US6307956</u>	Writing implement for identity verification system

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